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Sheet 1 of 4

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Application Number	10/764,201
Filing Date	1/23/2004
First Named Inventor	Eakle, et al.
Art Unit	1633
Examiner Name	Leavitt
Attorney Docket Number	IOGEN-08729

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear .	T ^d
		Country Code ² Number ⁴ Kind Code ³ (if known)				
ML	3	EP 0406557	05/23/1990	Bachmayer et al	Whole Document	

Examiner Signature	/Maria Leavitt/	Date Considered	11/15/2006
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ML	4	Pollari, F.L., et al., "Effects of bovine leukemia virus infection on production and reproduction in dairy cattle," Can. J. Vet. Res., 56(4):289-95 (1992)	
	5	Hidaka et al., "Post-transcriptional regulator (rex) of HTLV-1 initiates expression of viral structural proteins but suppresses expression of regulatory proteins," EMBO J 7:519 (1988)	
	6	Malim, M.H., et al., "Immunodeficiency virus rev trans-activator modulates the expression of the viral regulatory genes," Nature, 335:181 (1988)	
	7	Rimsky, L., et al., "Functional replacement of the HIV-1 rev protein by the HTLV-1 rex protein," Nature, 335:738 (1988)	
	8	Green, P.L., et al., The Retroviridae, p. 227-311, vol. 3, Eds. Levy, J.A., Plenum Press, New York, N.Y., (1994)	
	9	Ghysdael, K., et al., "Bovine leukemia virus," Current Topics in Microbiology and Immunology 112:1 (1984) Gree, P.L., et al., The Retroviridae, p. 227-311, vol. 3, Eds. Levy, J.A., Plenum Press, New York, N.Y., (1994)	
	10	Orlik, O., and Splitter G.A., "Progression to persistent lymphocytosis and tumor development in bovine leukemia virus (BLV)-infected cattle correlates with impaired proliferation of CD4+ T cells in response to gag- and env-encoded BLV proteins," J. Virol., 70(11):7584 (1996)	
	11	Elovaara, I., et al., "High human T cell lymphotropic virus type 1 (HTLV-1)-specific precursor cytotoxic T lymphocyte frequencies in patients with HTLV-1-associated neurological disease," J. Exp. Med., 177:1567 (1993)	
	12	Lassauzet, ML, et al., "Factors associated with transmission of bovine leukemia virus by contact in cows on a California dairy," Amer. J. Epidemiol, 133:164-76 (1991)	
↓	13	Lassauzet, M.L., et al., "Effect of brucellosis vaccination and dehorning on transmission of bovine leukemia virus in heifers on a California dairy," Can. J. Vet. Res. 54:184-189 (1990)	

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ML	14	Buxton, B.A., and Schultz, R.D., "Factors affecting the infectivity of lymphocytes from cattle with bovine leukosis virus," Can. J. Comp. Med., 48(4):365-369 (1984)	
	15	Herskowitz, I., Nature 329:317 (1987)	
	16	Hope, I.A., and Struhl, K., "Functional dissection of a eukaryotic transcriptional activator protein, GCN4 of yeast," Cell 46:885 (1986)	
	17	Gentz, R., et al., "Parallel association of Fos and Jun leucine zippers juxtaposes DNA binding domains," Science 243:1695 (1989)	
	18	Trizenberg, S.J., et al., Gen. & Devel., 2:718 (1988)	
	19	Friedman A.D., et al., "Functional dissection of VP16, the trans-activator of herpes simplex virus immediate early gene expression," Nature, 335:452 (1988)	
	20	Wachsman, V., et al., "HTLV x gene mutants exhibit novel transcriptional regulatory phenotypes," Science 235:674 (1987)	
	21	Green, M., et al., "Mutational analysis of HIV-1 Tat minimal domain peptides: identification of trans-dominant mutants that suppress HIV-LTR-driven gene expression," Cell 58:215 (1989)	
	22	Trono, D., et al., "HIV-1 Gag mutants can dominantly interfere with the replication of the wild-type virus," Cell 59:113 (1989)	
▼	23	Orlik, O., and Splinter G.A., "Optimization of lymphocyte proliferation assay for cells with high spontaneous proliferation in vitro: CD4+ T cell proliferation in bovine leukemia virus infected animals with persistent lymphocytosis," J. Immunol. Methods 199:159 (1996)	

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ML	24	Kimata, J.J., et al., "The mitogenic activity of human T-cell leukemia virus type I is T-cell associated and requires the CD2/LFA-3 activation pathway," J. Virol., 67:3134 (1993)	
↓	25	Boris-Lawrie et al., "In vivo study of genetically simplified bovine leukemia virus derivatives that lack tax and rex," J Virol 71(2):1514-20 (1997)	
↓	26	Gatei M.H., et al., "Experimental infection of sheep with bovine leukemia virus: infectivity of blood, nasal and saliva secretions," Zentralbl Veterinarmed, (B) 36(9):652-60 (1989)	

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